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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Han-Lim Lee et al.  
SERIAL NO.: 10/658,639 EXAMINER: Unassigned  
DATE FILED: September 9, 2003 ART UNIT: Unassigned  
FOR: DUOBINARY OPTICAL TRANSMISSION APPARATUS

CERTIFICATE OF MAILING UNDER 37 CFR §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the ASSISTANT COMMISSIONER FOR PATENTS, P.O. BOX 1450 ALEXANDRIA, VA 22313 on July 13, 2005.

Steve S. Cha, Reg. No.: 44,069  
(Name of depositor)

(Signature and Date)

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with Applicant's and Applicant's representatives' Duty of Disclosure under 37 CFR § 1.56, and pursuant to 37 CFR §1.97(d) and MPEP 717.05(b), Applicant(s) submit herewith documentary information for consideration by the Examiner. Information herein cited is only set forth in fulfillment of Applicant's duty of candor in disclosing all information brought to his attention, and is not an admission that it can be used adversely. The publications forwarded herewith are listed on the enclosed Form PTO-1449. Applicant(s) request that the Examiner, upon reviewing the enclosed materials, initial the enclosed form and return a copy thereof in accordance with the instructions on the form.

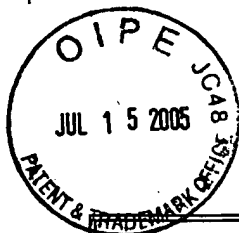
Applicant further note that each item of information contained in the enclosed Form was first cited from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the statement.

Enclosed please find copies of References 2 Foreign Patents and 1 Article they are listed on the attached Form PTO-1449. A fee of \$180.00 as set forth in 37 CFR 1.17(p) is enclosed herein.

Respectfully submitted,

Steve S. Cha  
Attorney for Applicants  
Registration No. 44,069

CHA & REITER, LLC  
210 Route 4 East #103  
Paramus, New Jersey 07652  
(201) 226-9245  
Date: July 13, 2005



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|--|------------------------|--------------------|
| Form PTO-1449 IRSY. 7.801<br>U.S. Department of Commerce<br>Patent and Trademark Office    | ATTORNEY<br>DOCKET NO. | 5000-1-433         |
|  | SERIAL NO.             | 10/658,639         |
| LIST OF DOCUMENTARY INFORMATION<br>CITED BY APPLICANT<br>(Use several sheets if necessary) | APPLICANT              | Han-Lim Lee et al. |
|  | FILING DATE            | September 9, 2003  |
|  | GROUP                  | Unassigned         |

U.S. PATENT DOCUMENTS

| EXAMINE<br>R<br>INITIAL |  | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB-<br>CLASS | FILING DATE IF<br>APPROPRIATE |
|-------------------------|--|--------------------|------|------|-------|---------------|-------------------------------|
|                         |  |                    |      |      |       |               |                               |
|                         |  |                    |      |      |       |               |                               |
|                         |  |                    |      |      |       |               |                               |
|                         |  |                    |      |      |       |               |                               |

FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT<br>NUMBER | DATE    | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>YES NO |
|--|----|--------------------|---------|---------|-------|---------------|-----------------------|
|  | AA | EP 1416654 A2      | 5/6/04  | EUROPE  | H04B  | 10/18         | X                     |
|  | AB | EP 0825733 A2      | 2/25/98 | EUROPE  | H04B  | 10/155        | X                     |
|  |    |                    |         |         |       |               |                       |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |   |
|----|---|
| AC | M. NAKAZAWA et al.; "Ultrahigh-Speed Long-Distance TDM and WDM Soliton Transmission Technologies;" IEEE Journal of Selected Topics in Quantum Electronics; Vol. 6; No. 2; March/April 2000; XP-000940399; 32 pgs. |
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| EXAMINER: | DATE CONSIDERED: |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.